

SPECIFICATIONS**GENERAL-**

Aluminum framing shall be Marlin System 55 thermally improved as manufactured by Marlin windows.

MATERIALS-

All framing shall be aluminum extrusions of 6063-T5 alloy & temper with a minimum wall thickness of .094". All members shall have a rigid polyurethane "thermal-barrier" as an integral part of the extrusion which eliminates all direct contact between the interior and exterior aluminum sections. Glazing gaskets shall be extruded E.P.D.M. System shall accommodate vertical structural silicone butt glazing (Architect specify).

FINISH-

Standard architectural Class II anodic color conforming to Aluminum Association AA-M12-C22-A34 for dark bronze or AA-M12-C22-A31 for clear anodize. (Architectural Class I and Class II anodic finishes and organic coatings available - specify).

CONSTRUCTION-

Aluminum framing shall have a 2 1/4" face width and a depth of 4 1/2" and provide for flush glazing without projecting stops. Head and sill members shall have a face dimension of 2 1/2" and depth of 5". Optional thermally improved concealed project-in vent (Architect specify). Additional sight line shall not exceed 1/2".

Maximum vent 60" x 36".

PERFORMANCE-

System shall be tested in accordance with AAMA 501 and meet the requirements of ASTM E 283 for air infiltration, and ASTM E 331 for water penetration, and ASTM E 330 for structural performance. Deflection of mullions shall be limited to L/175 when subjected to the project design pressure of _____ P.S.F. (Architect to specify). Marlin System 55 shall have a minimum condensation resistance factor of 60.

GLAZING-

Marlin system 55 shall accommodate 1" glazing as required. Provisions for 1/4" glazing shall be accommodated by use of an adapter.

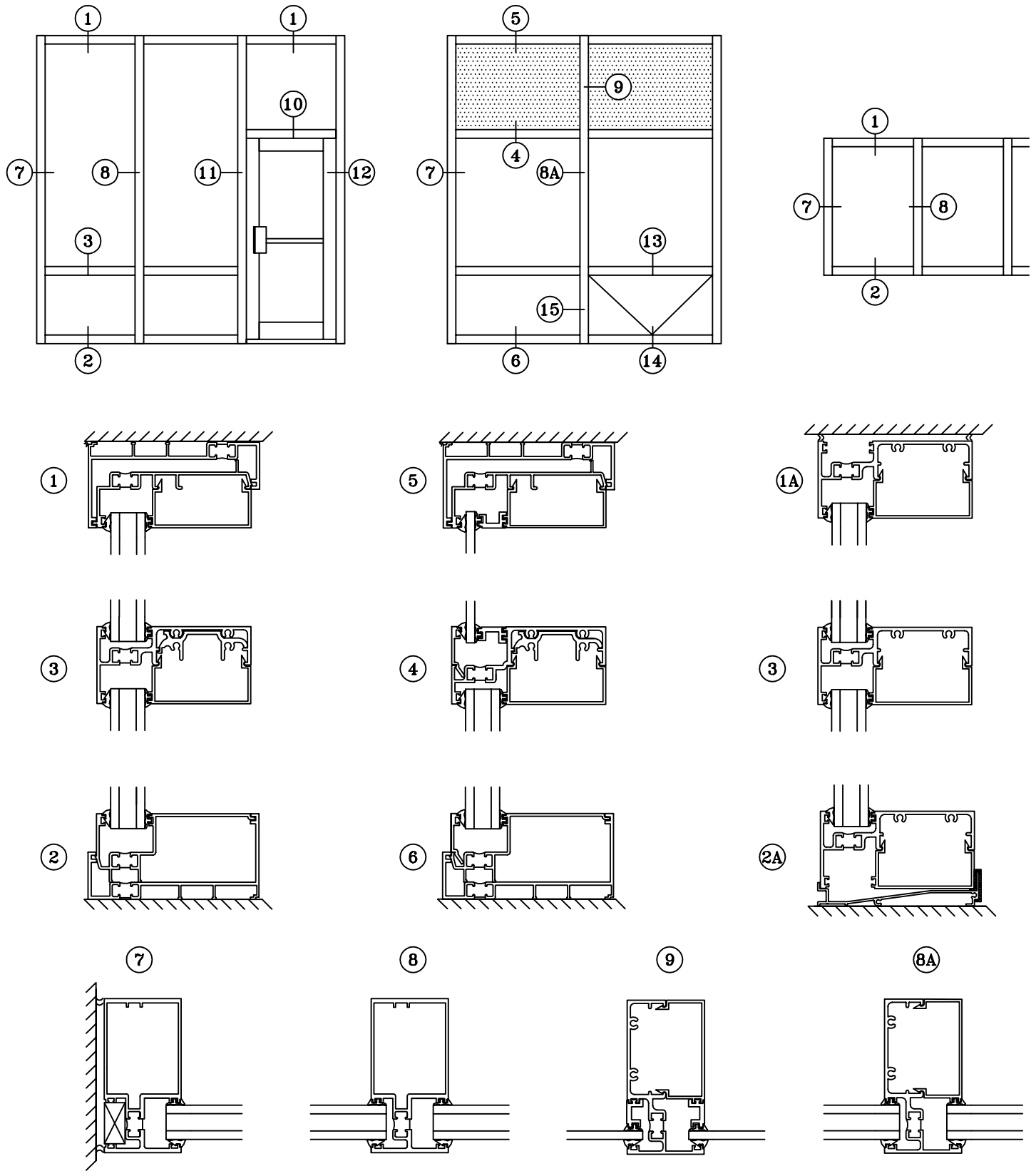
INSTALLATION-

Glass and framing shall be installed straight, plumb, and level without twisting and securely anchored in place. All joints between framing and the building exterior shall be sealed to provide a watertight installation.

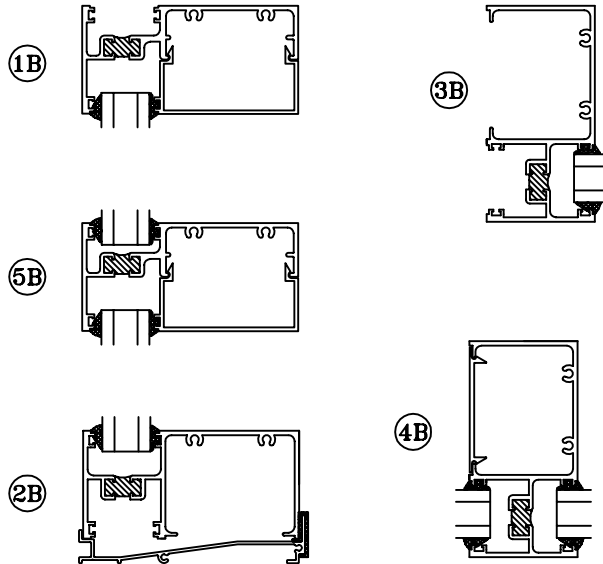
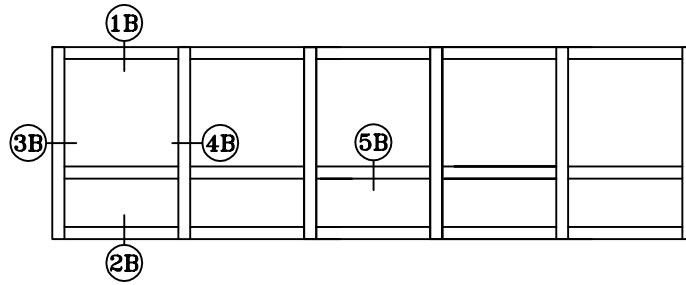
PROTECTION AND CLEANING-

The General Contractor shall provide adequate protection of the aluminum and glass surfaces from damage by grinding compound, lime, acids, cement or other contaminants. The General Contractor shall be responsible for final cleaning.

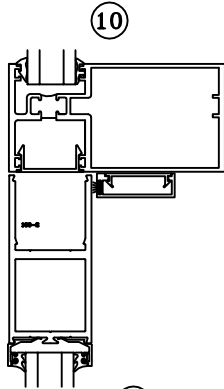
1/4 SCALE



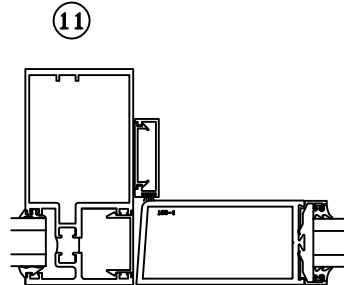
1/4 SCALE



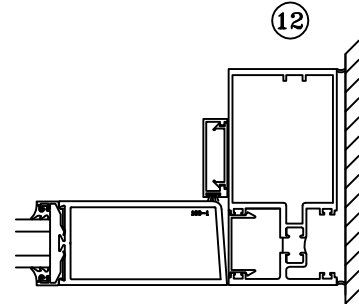
1/4 SCALE



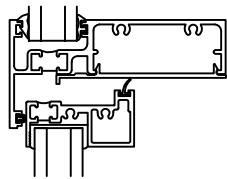
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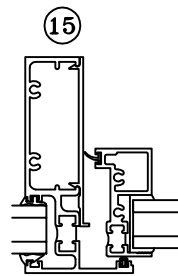
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12

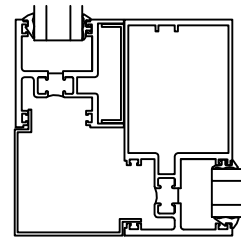


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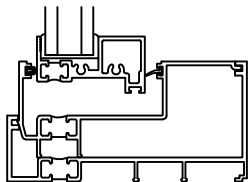


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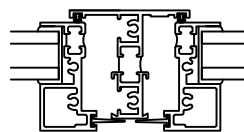
CORNER
POST



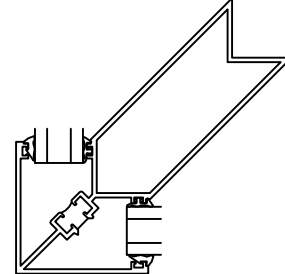
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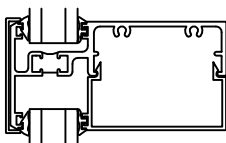
DOUBLE
VENT



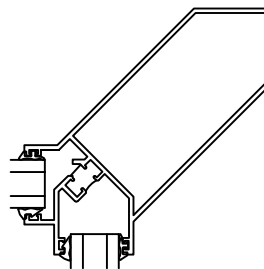
OUTSIDE CORNER



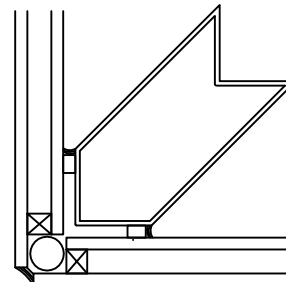
3A



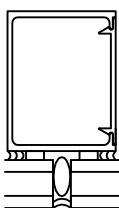
INSIDE CORNER



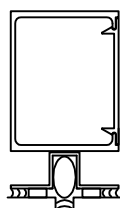
90 DEG BUTT GLAZE CORNER



8B



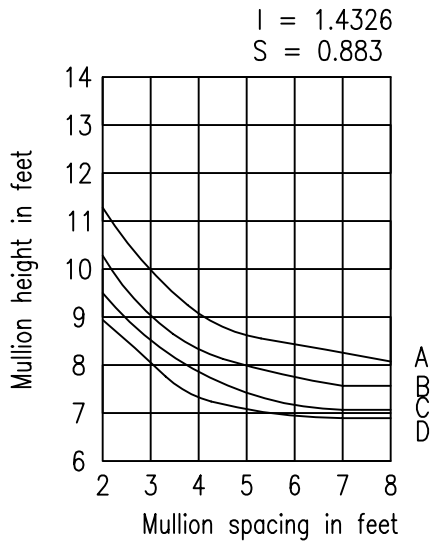
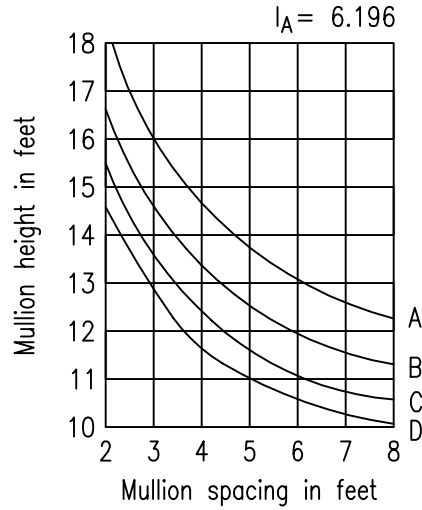
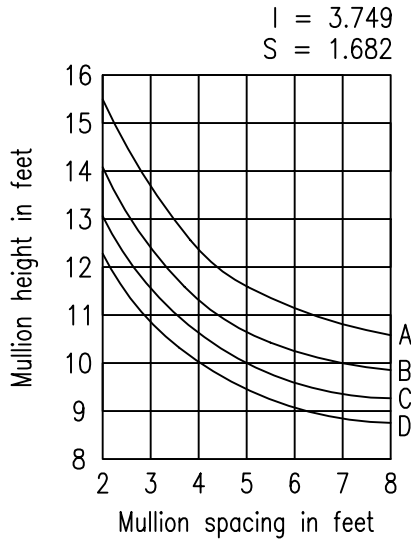
9B



- A = 15 PSF
- B = 20 PSF
- C = 25 PSF
- D = 30 PSF

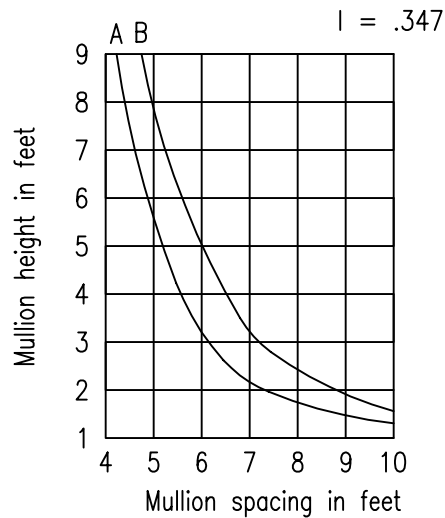
WIND LOAD CHARTS

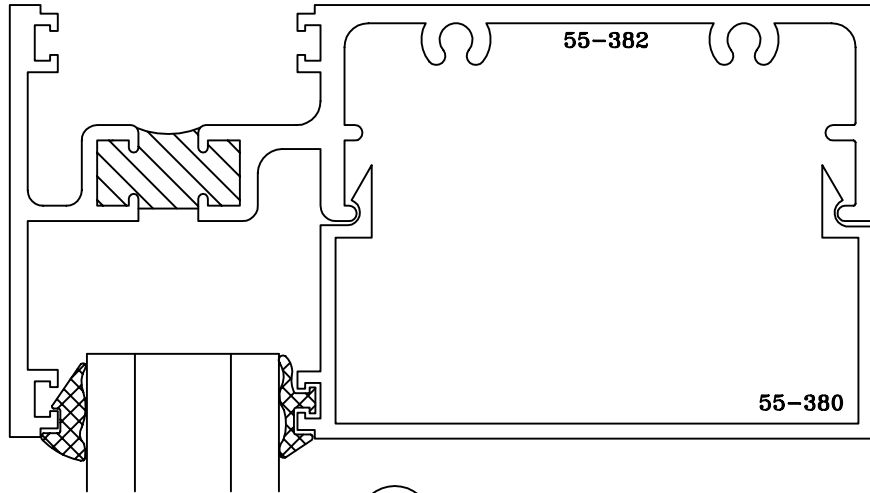
DEFLECTION LIMITED TO L/175



DEAD LOADS

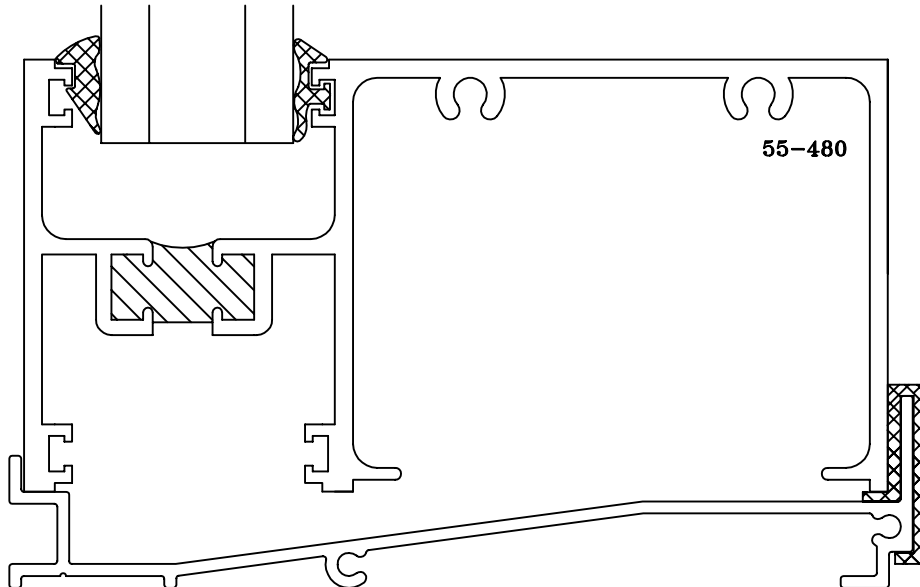
- 1/4 POINT LOADING (A)
- 1/8 POINT LOADING (B)

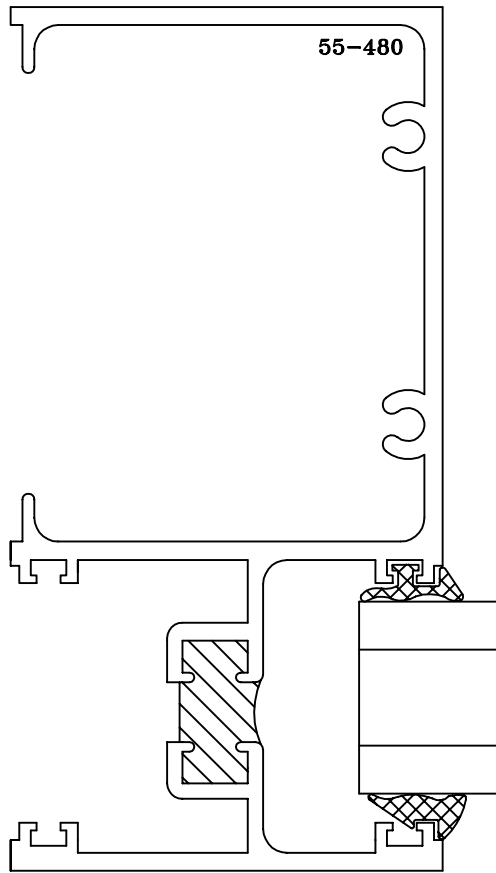




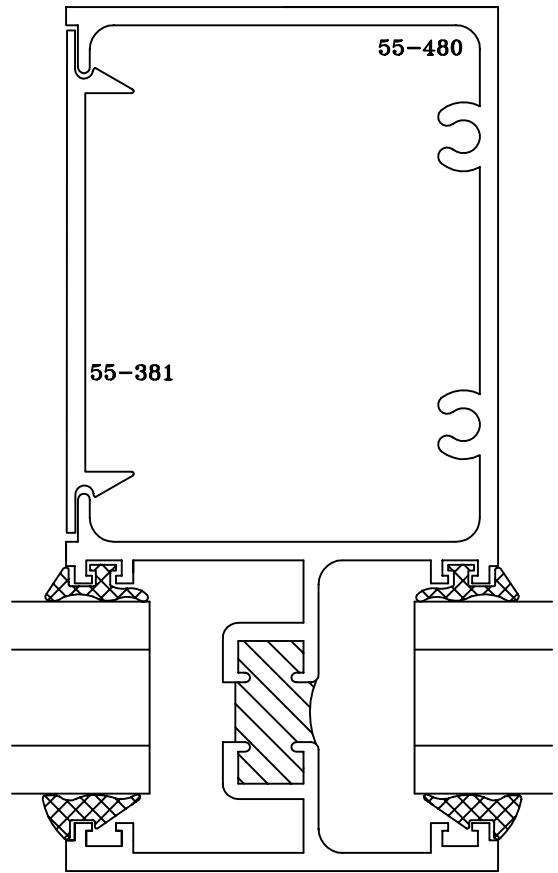
①B HEAD

②B SILL

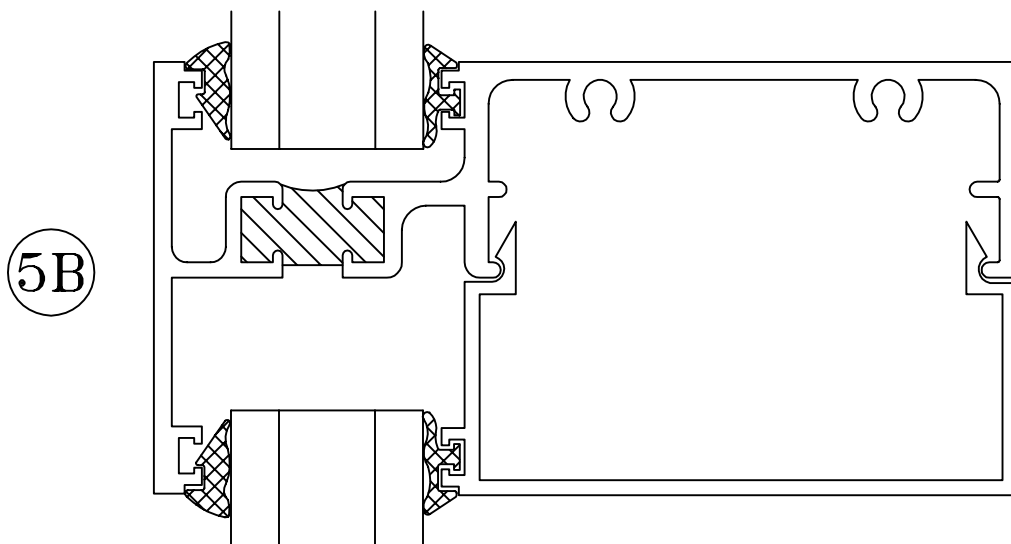


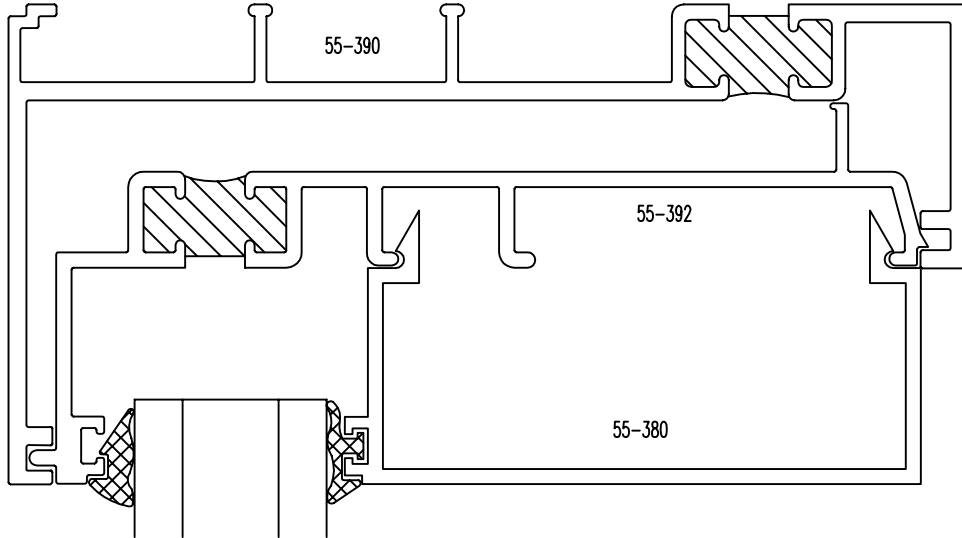


3B JAMB



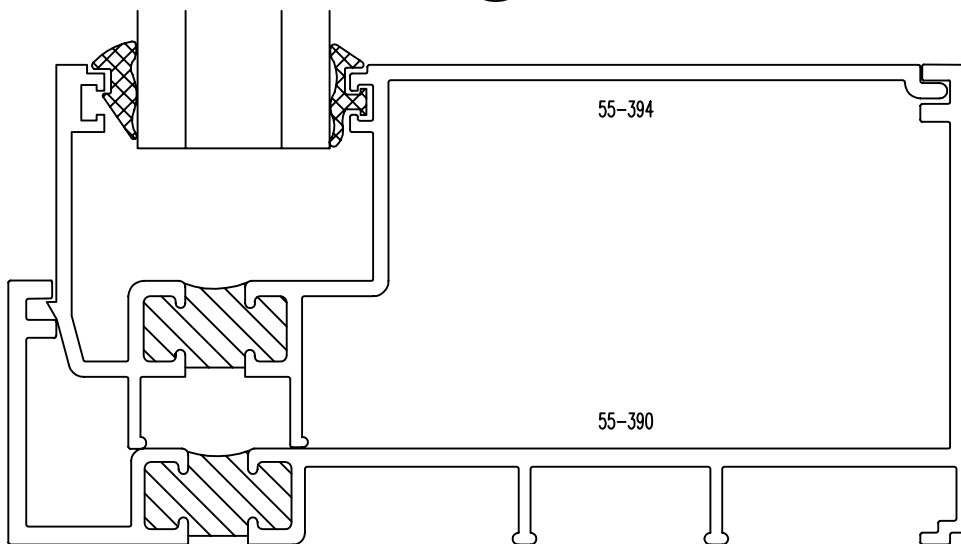
4B MULLION

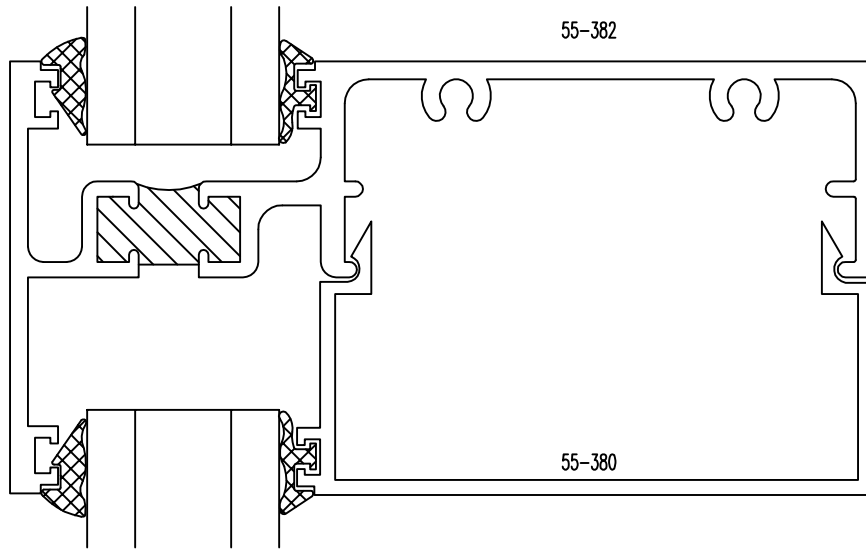




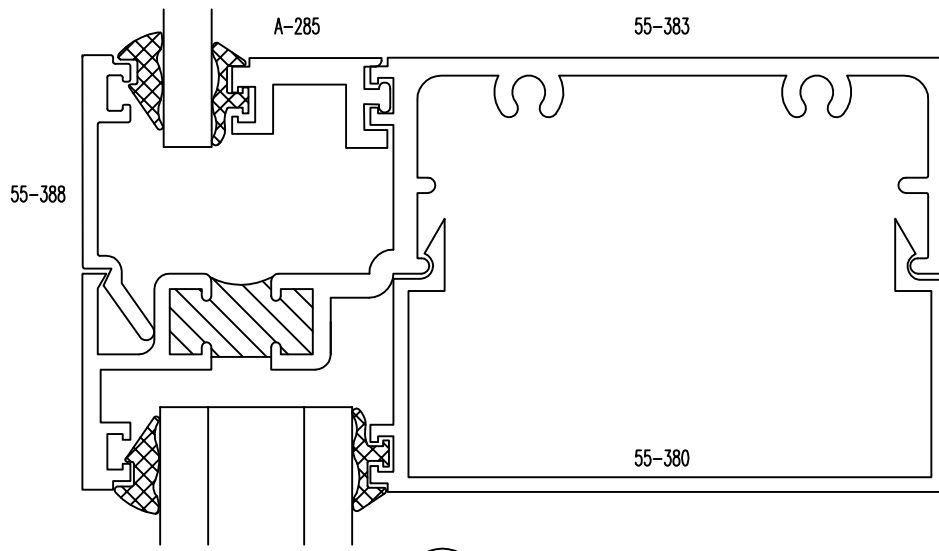
① HEAD

② SILL

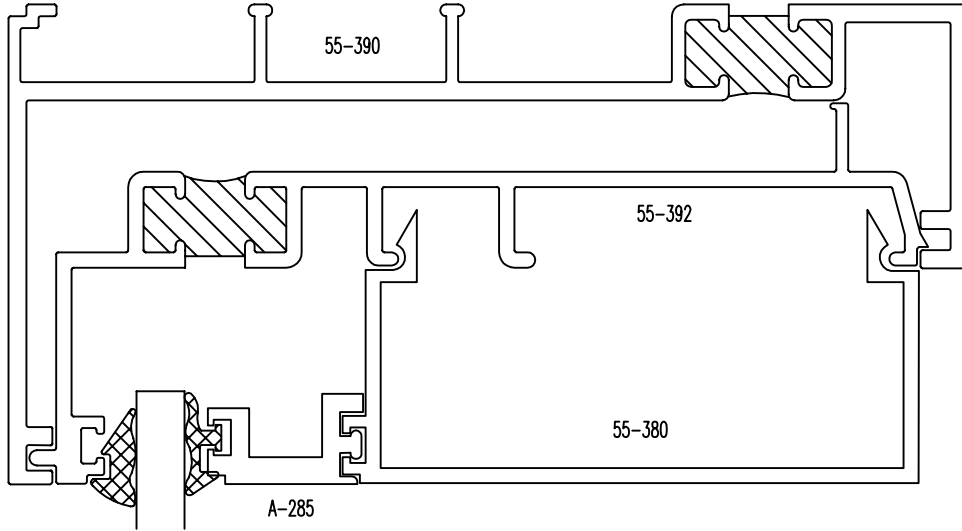




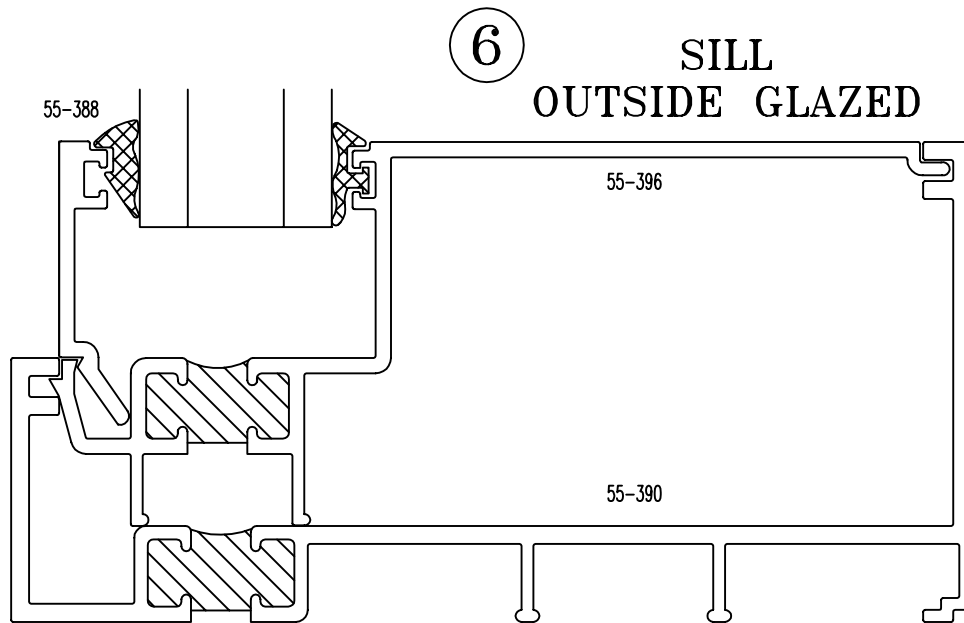
③ HORIZONTAL
INSIDE GLAZED



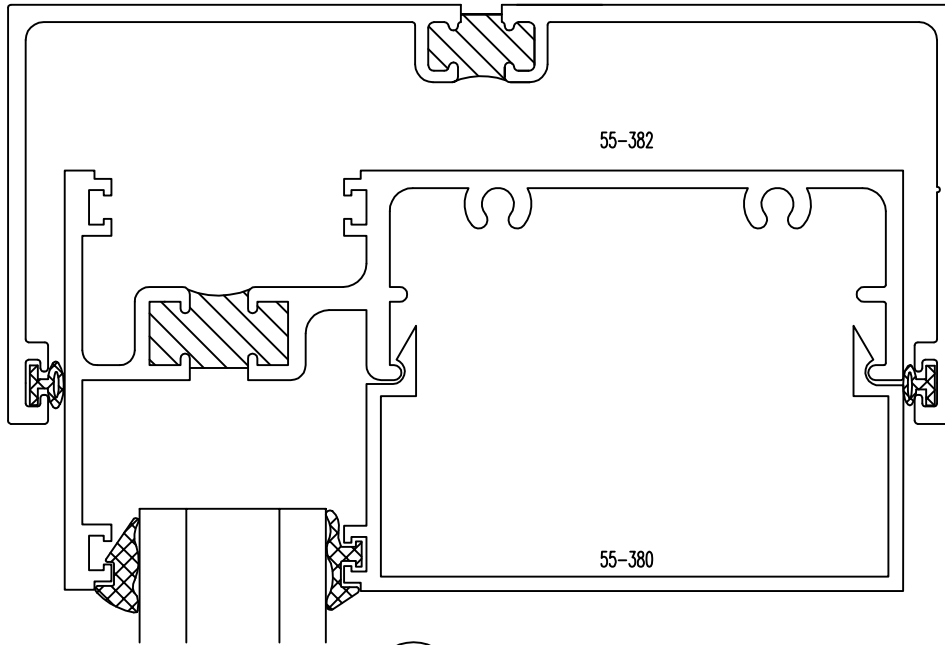
④ HORIZONTAL
OUTSIDE GLAZED



⑤ HEAD

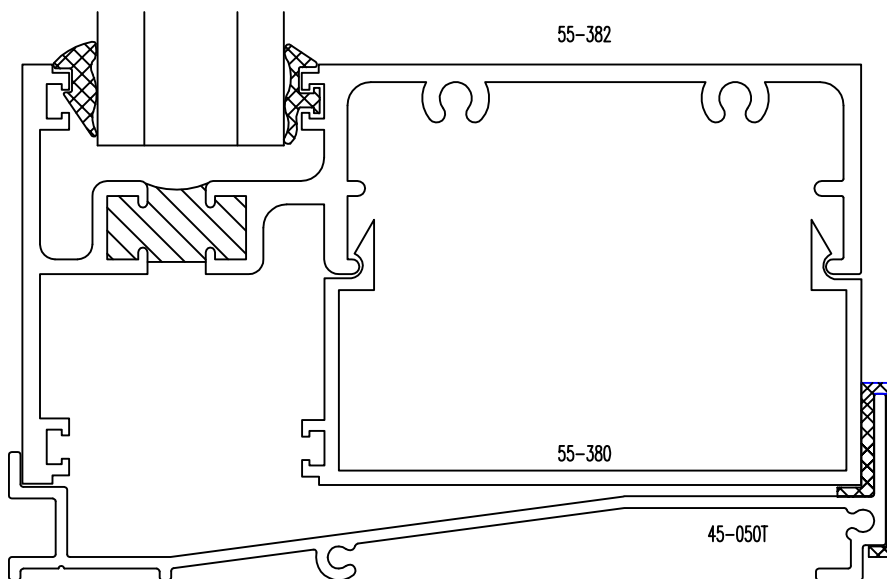


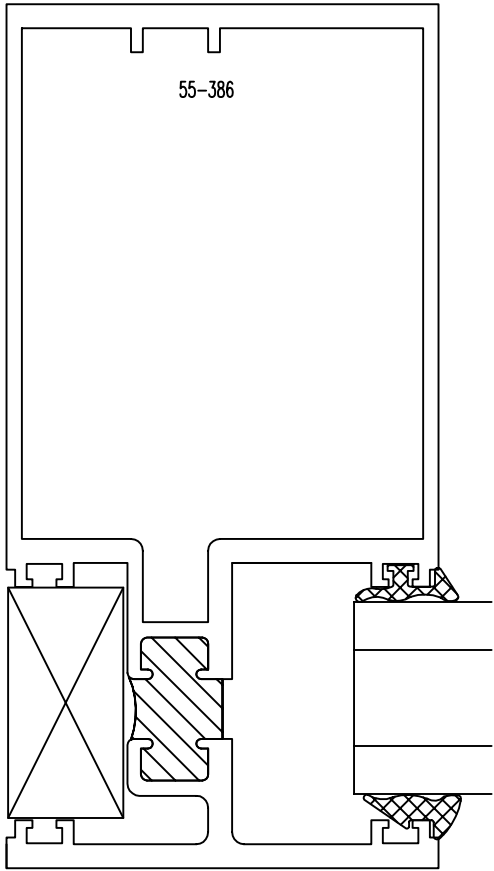
⑥ SILL
OUTSIDE GLAZED



1A HEAD

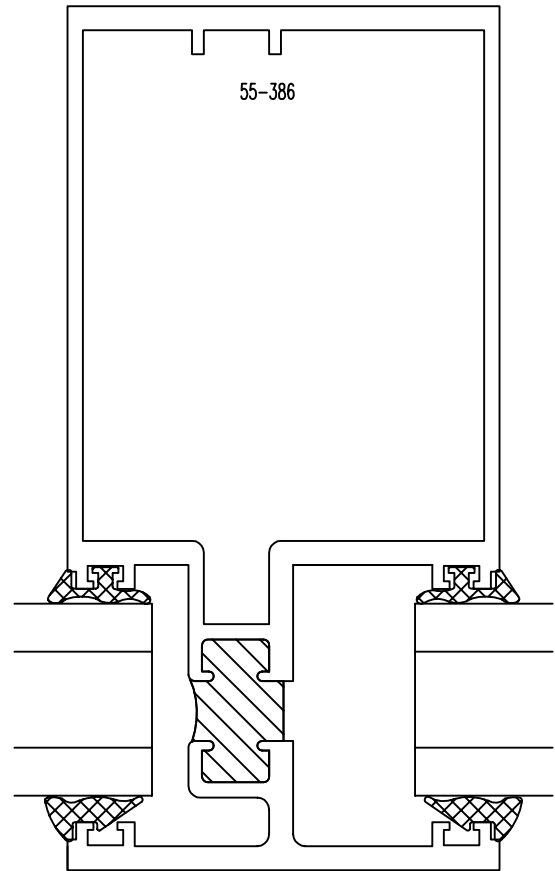
2A SILL

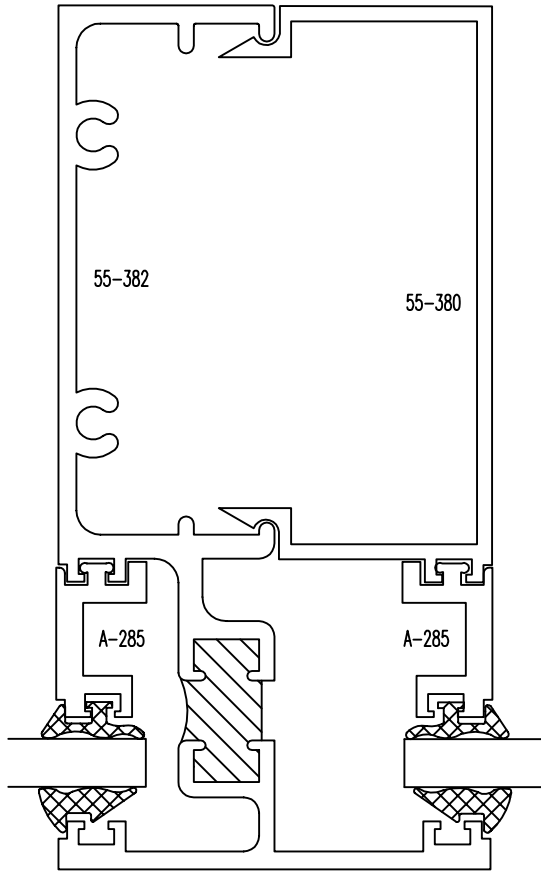




7 JAMB

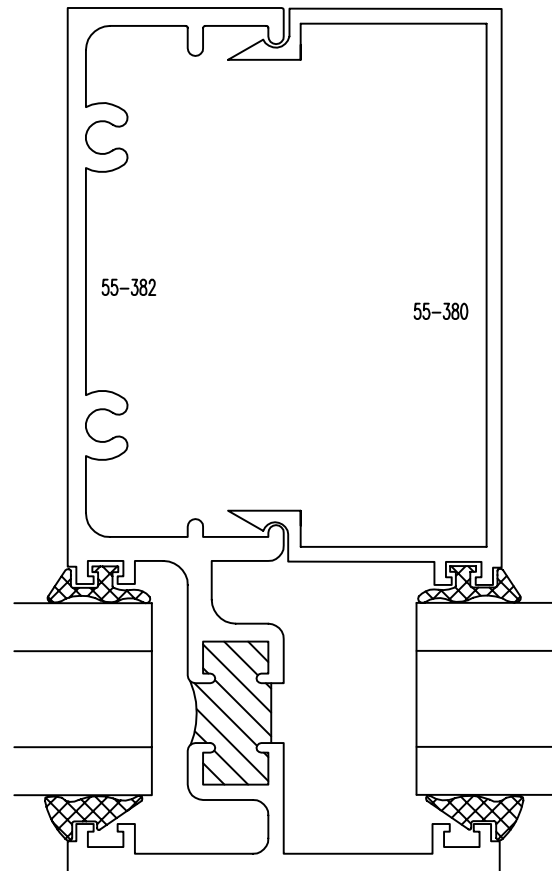
8 MULLION



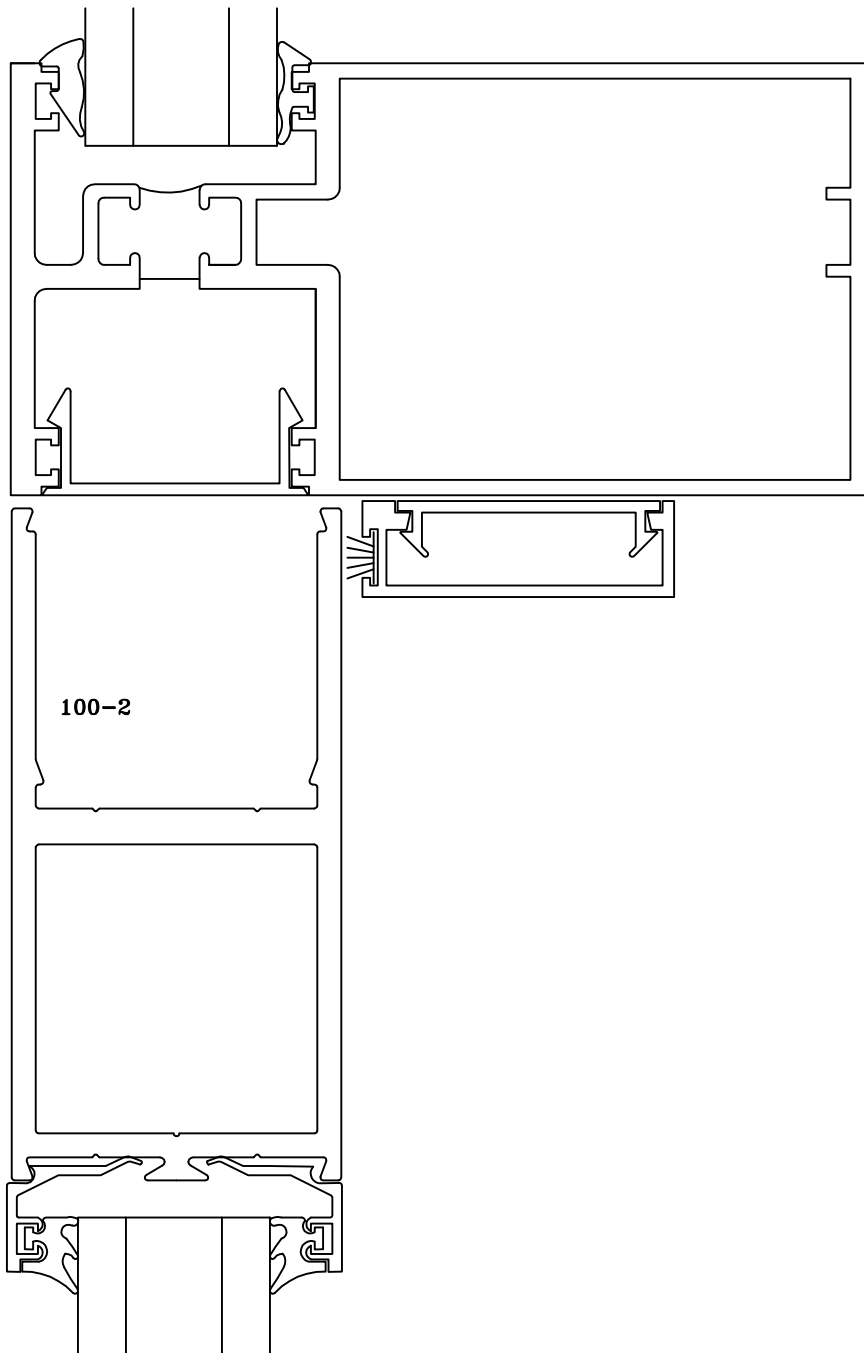


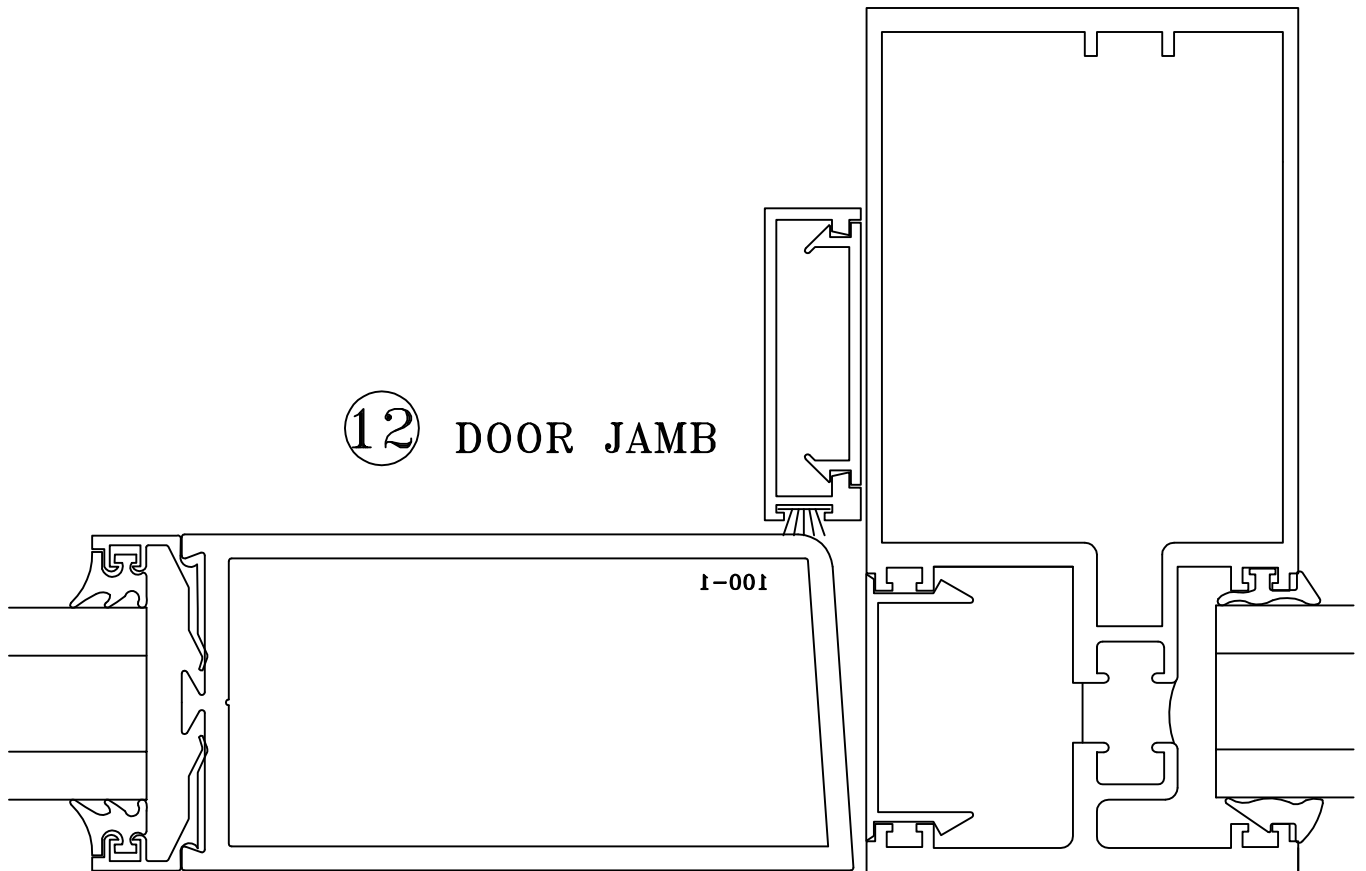
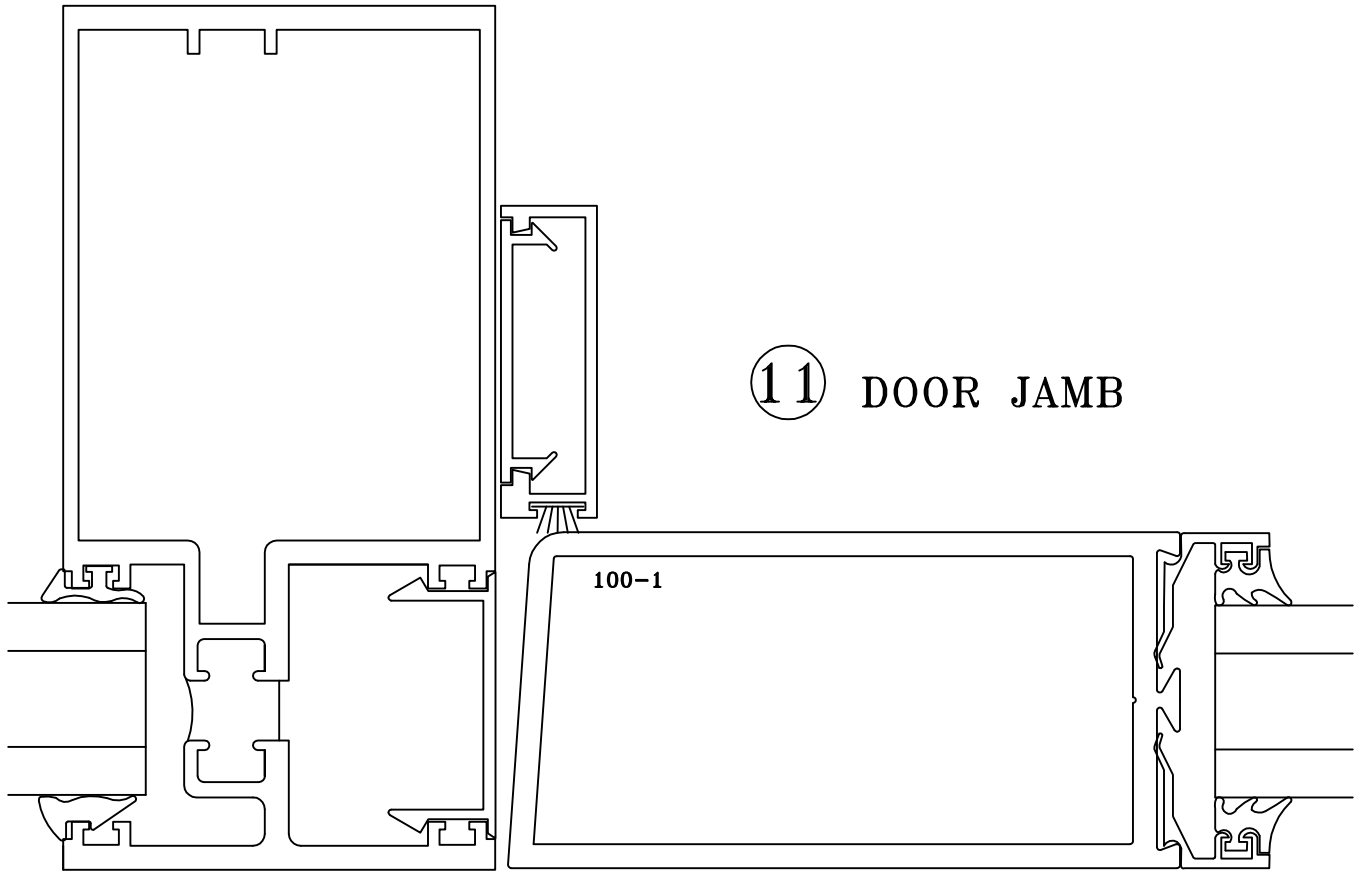
9 MULLION

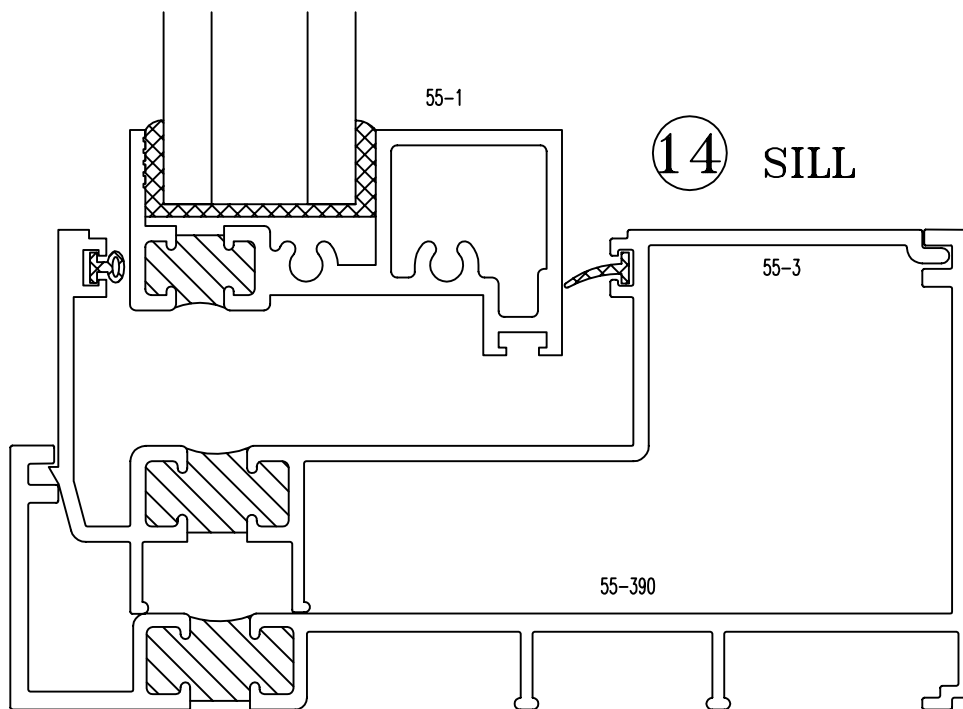
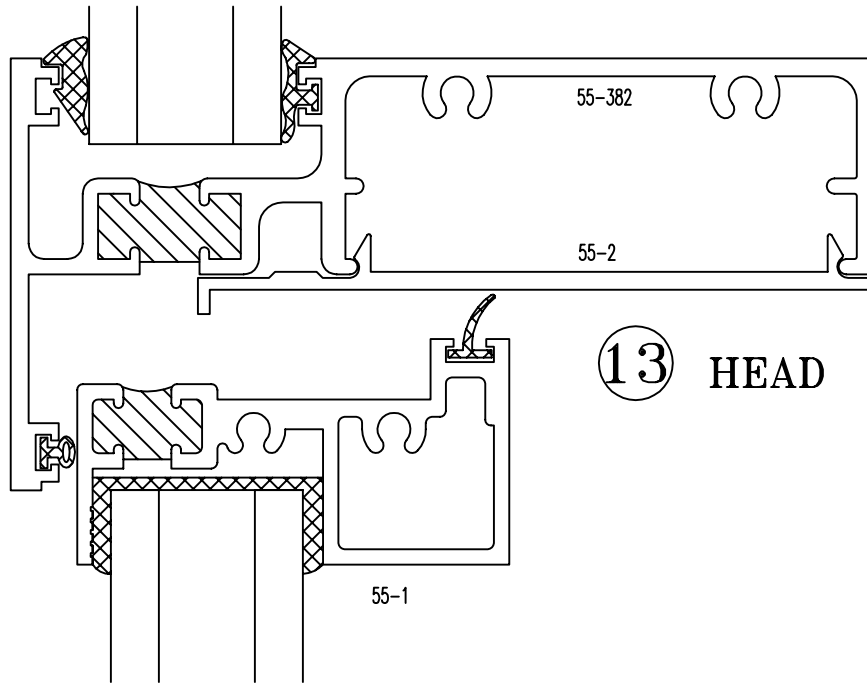
8A MULLION

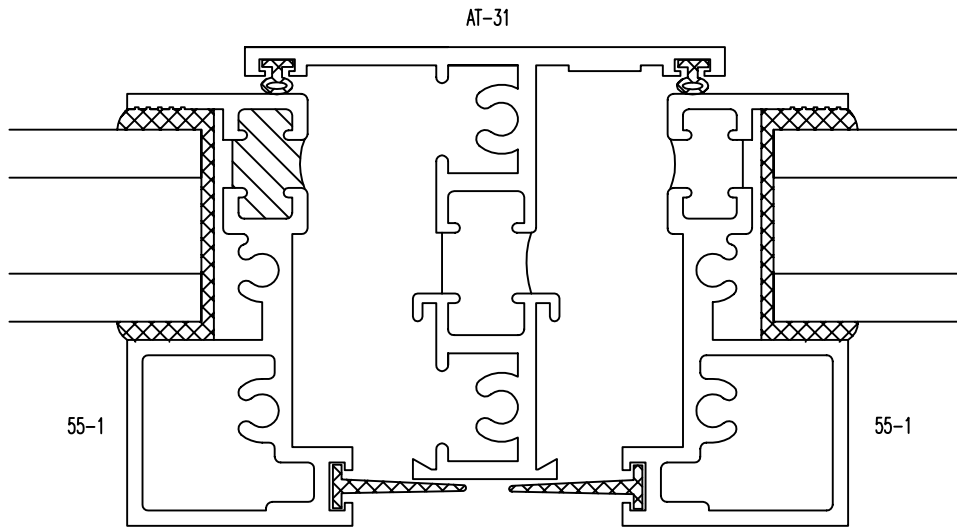
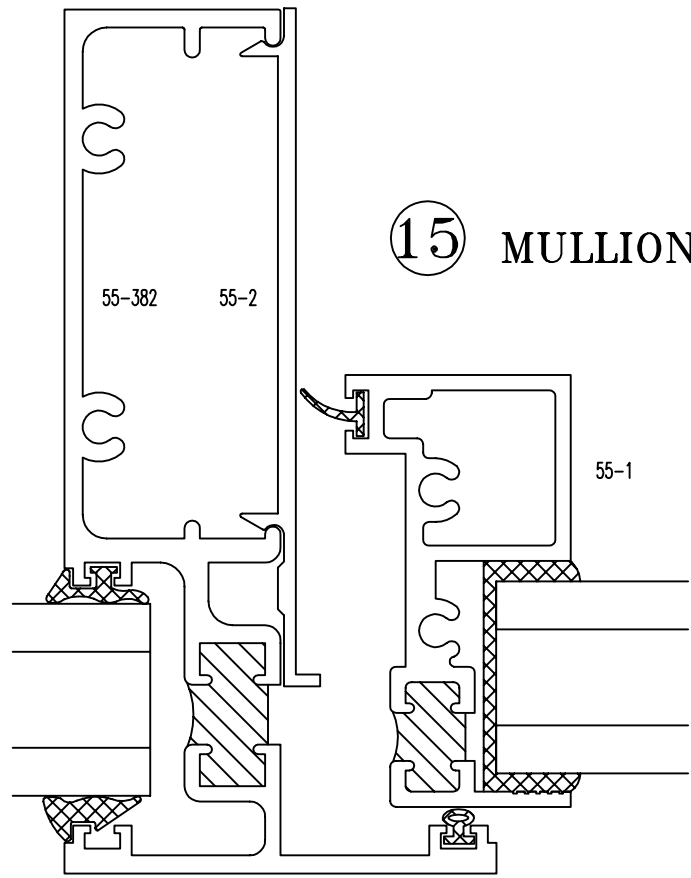


⑩ DOOR HEAD



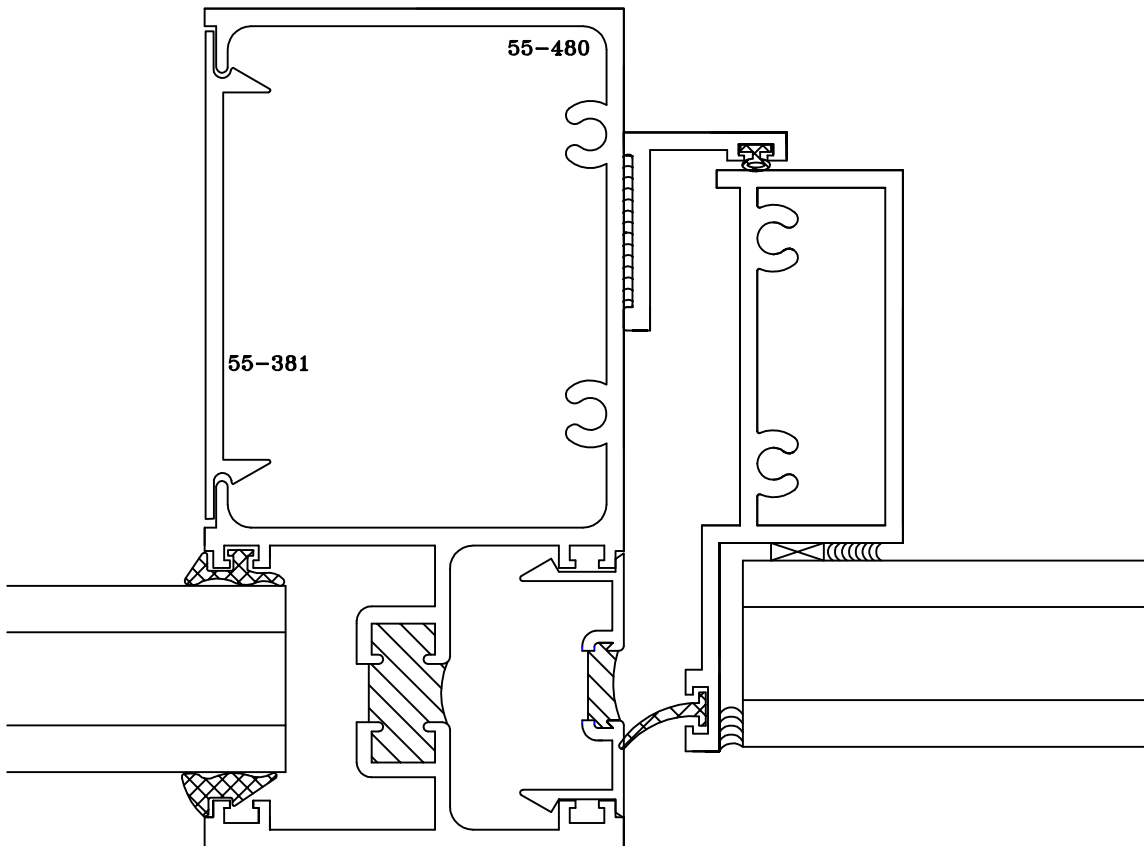




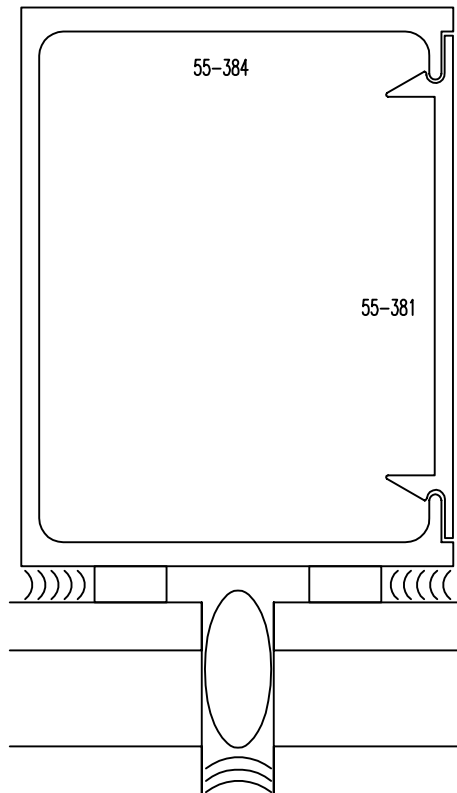
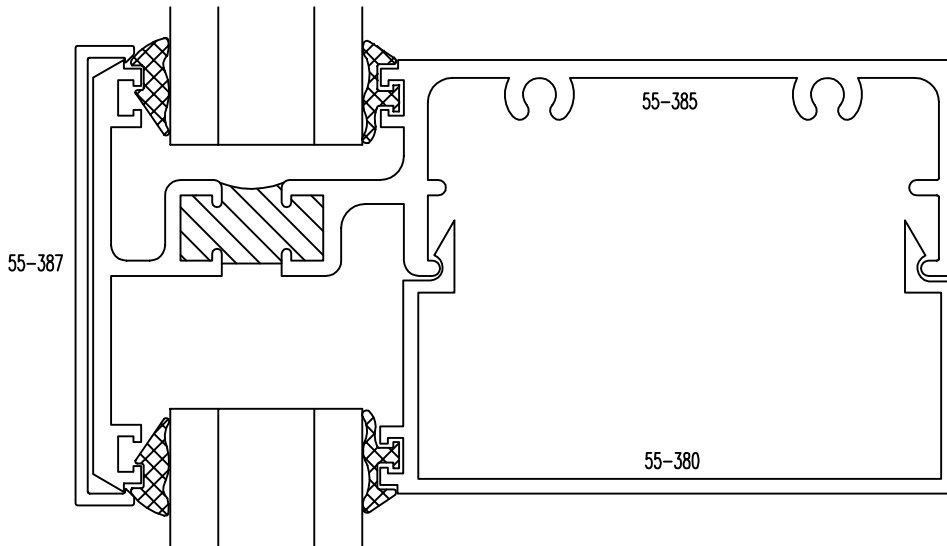


@ DOUBLE VENT

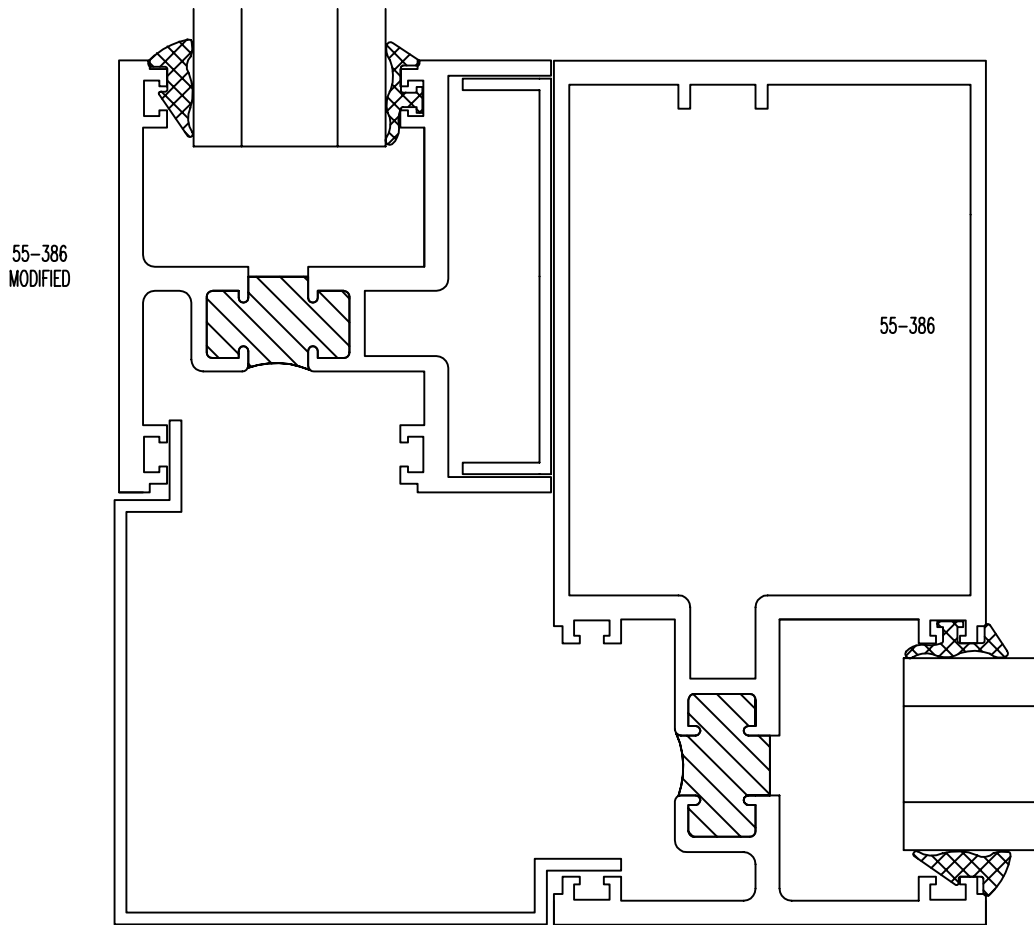
LOW PROFILE VENT



3A HORIZONTAL
FOR BUTT GLAZE

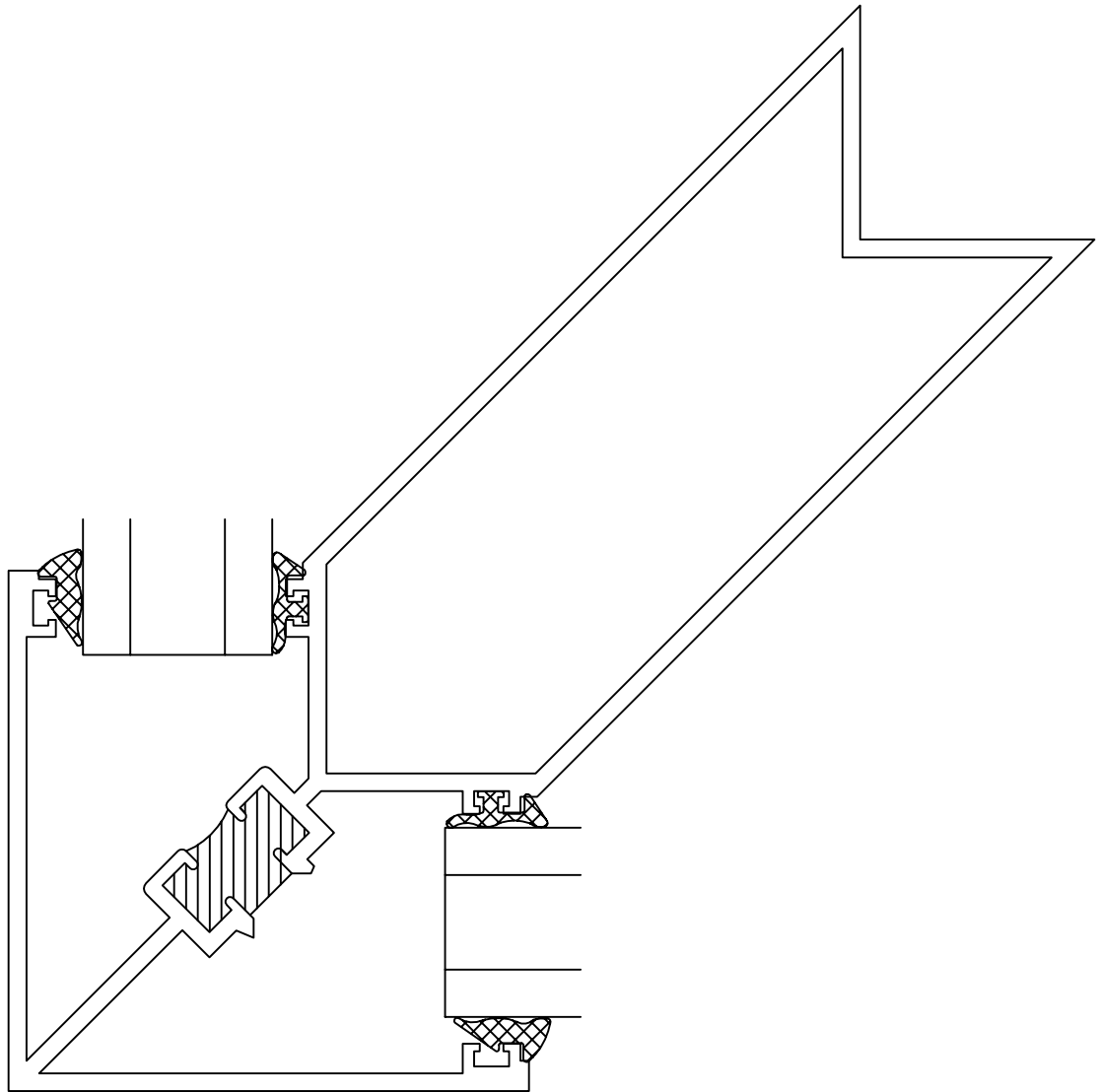


8B VERTICAL
BUTT GLAZE

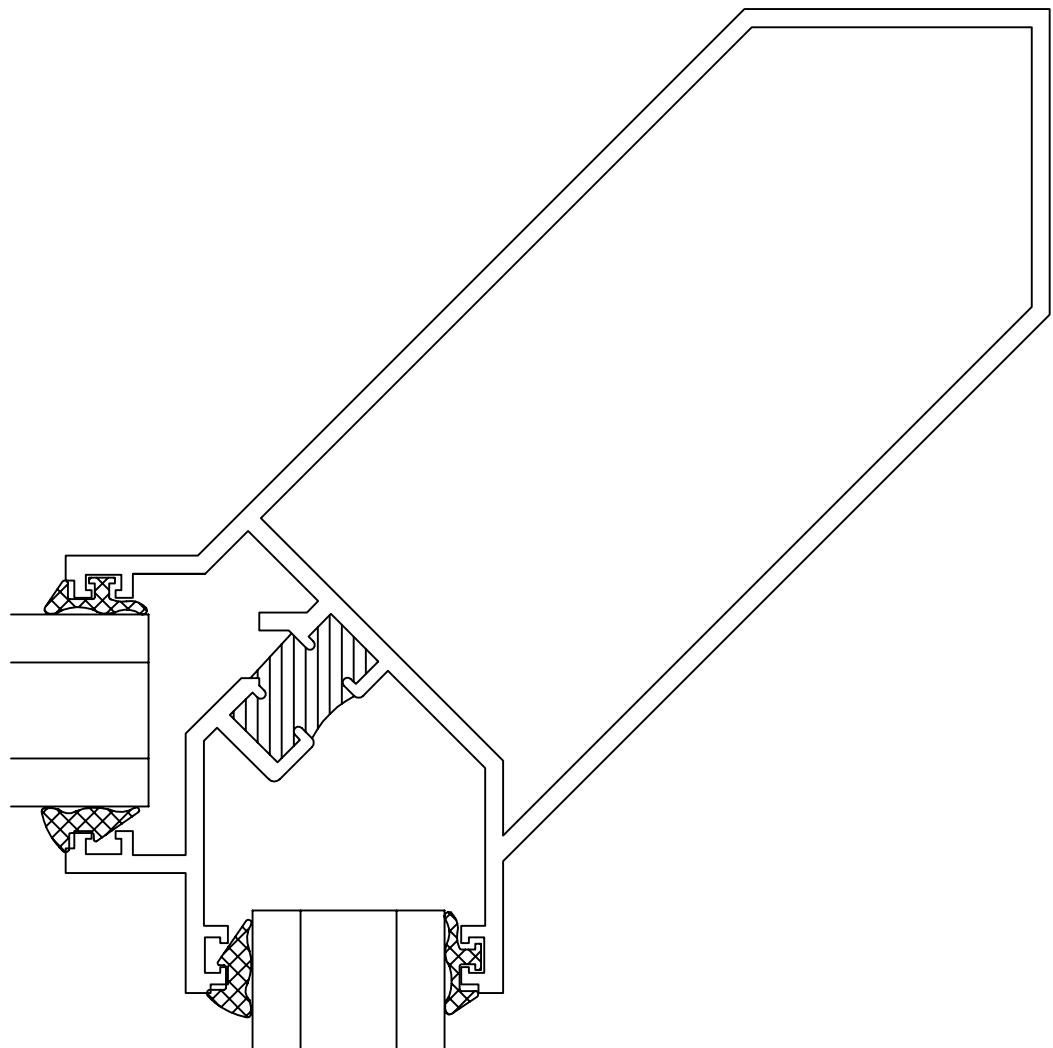


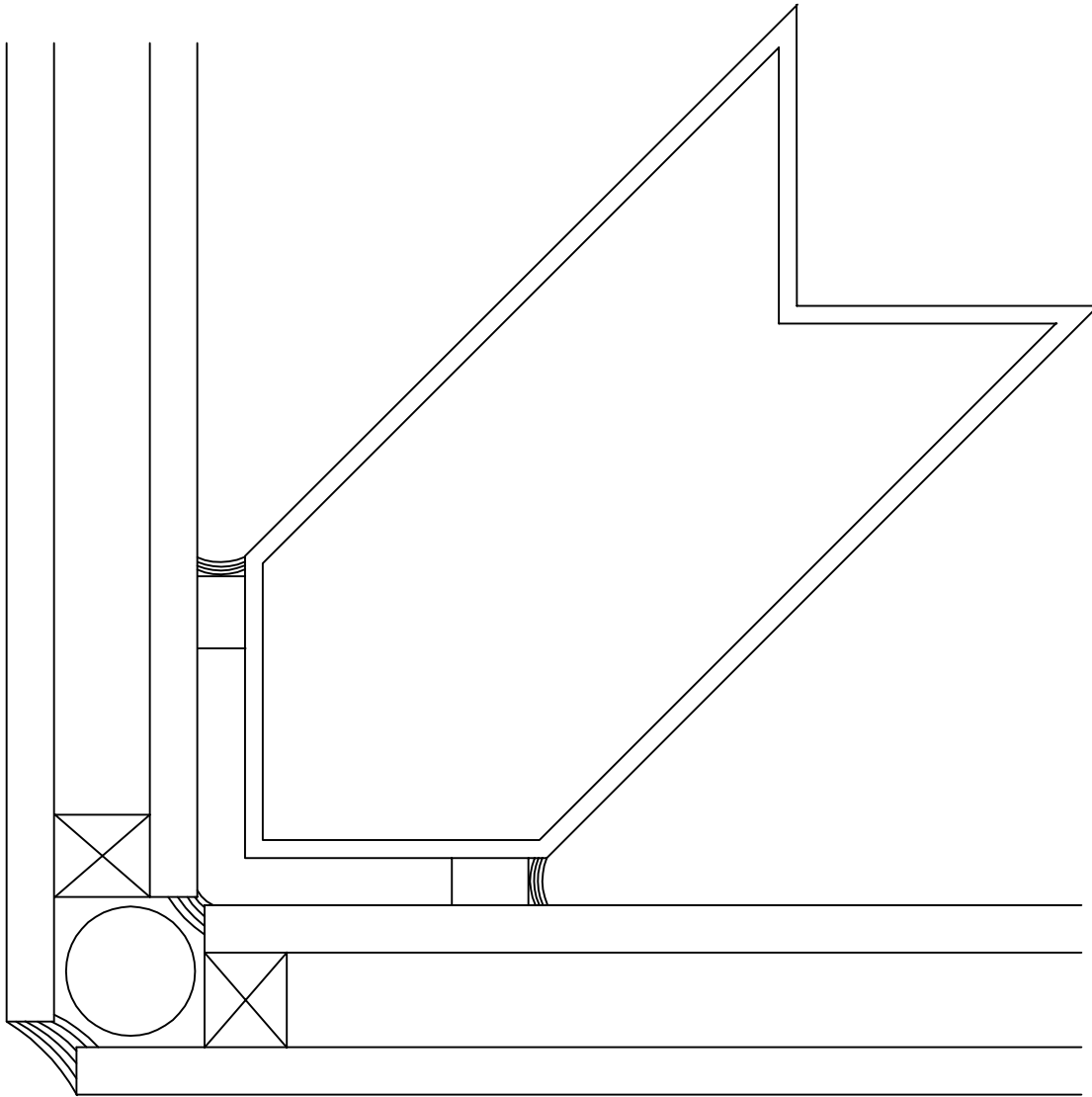
CORNER POST

OUTSIDE CORNER




INSIDE CORNER

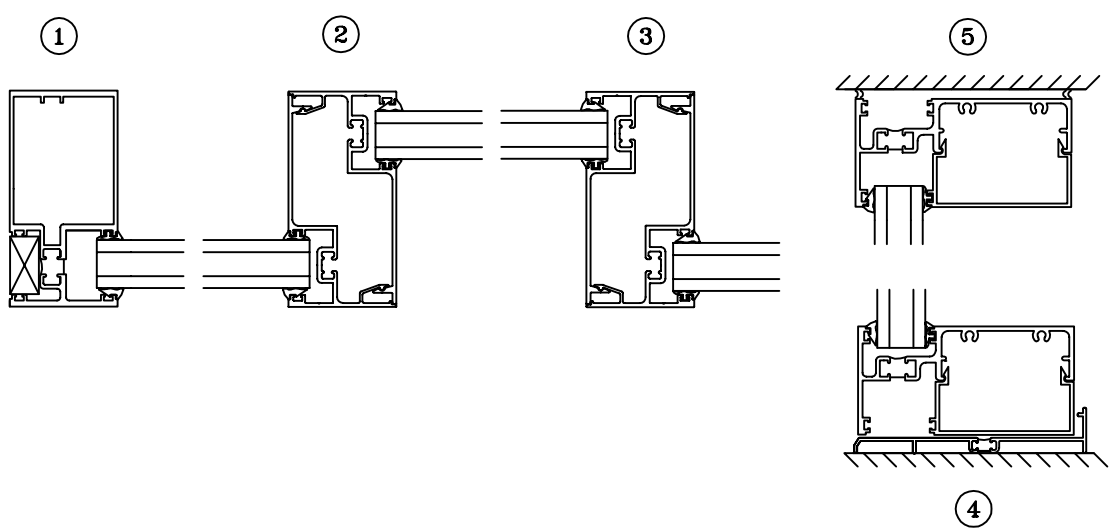
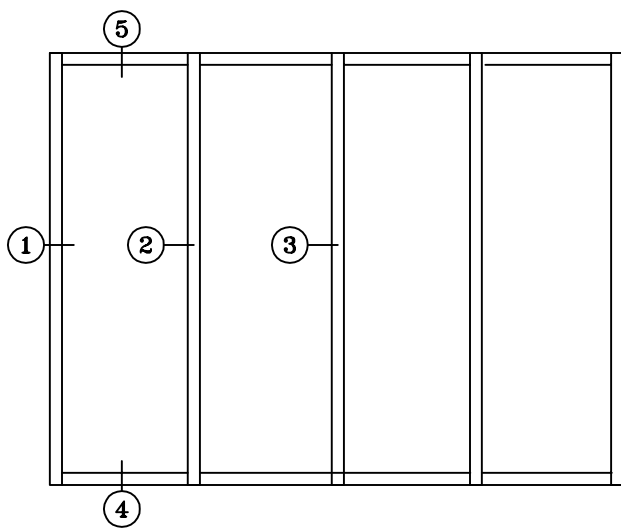




SYSTEM 55 - 90 DEG
BUTT GLAZE CORNER

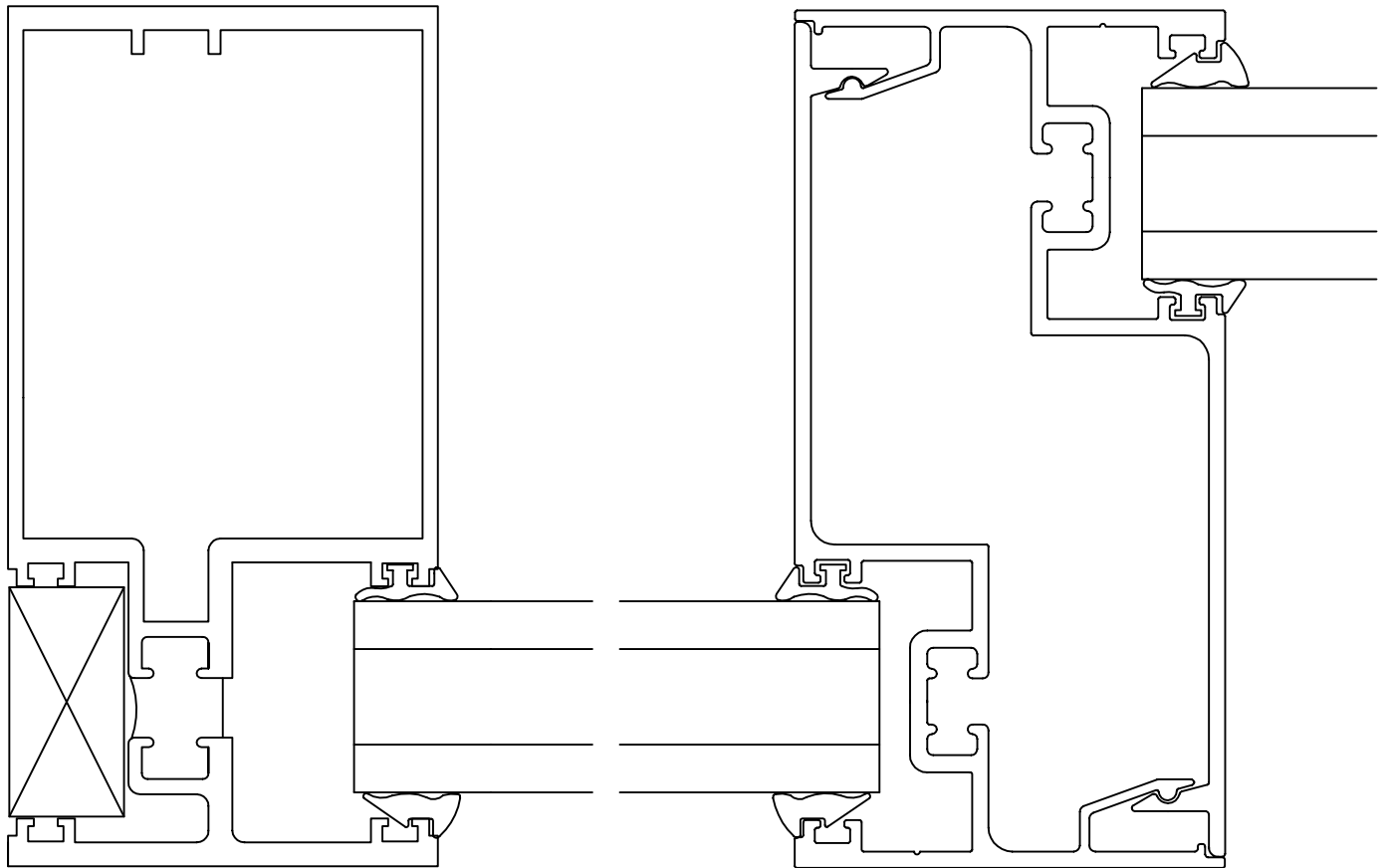
MARLIN  2 1/4" x 4 1/2" FRONT/BACK GLAZING SYSTEM 55


1/4 SCALE



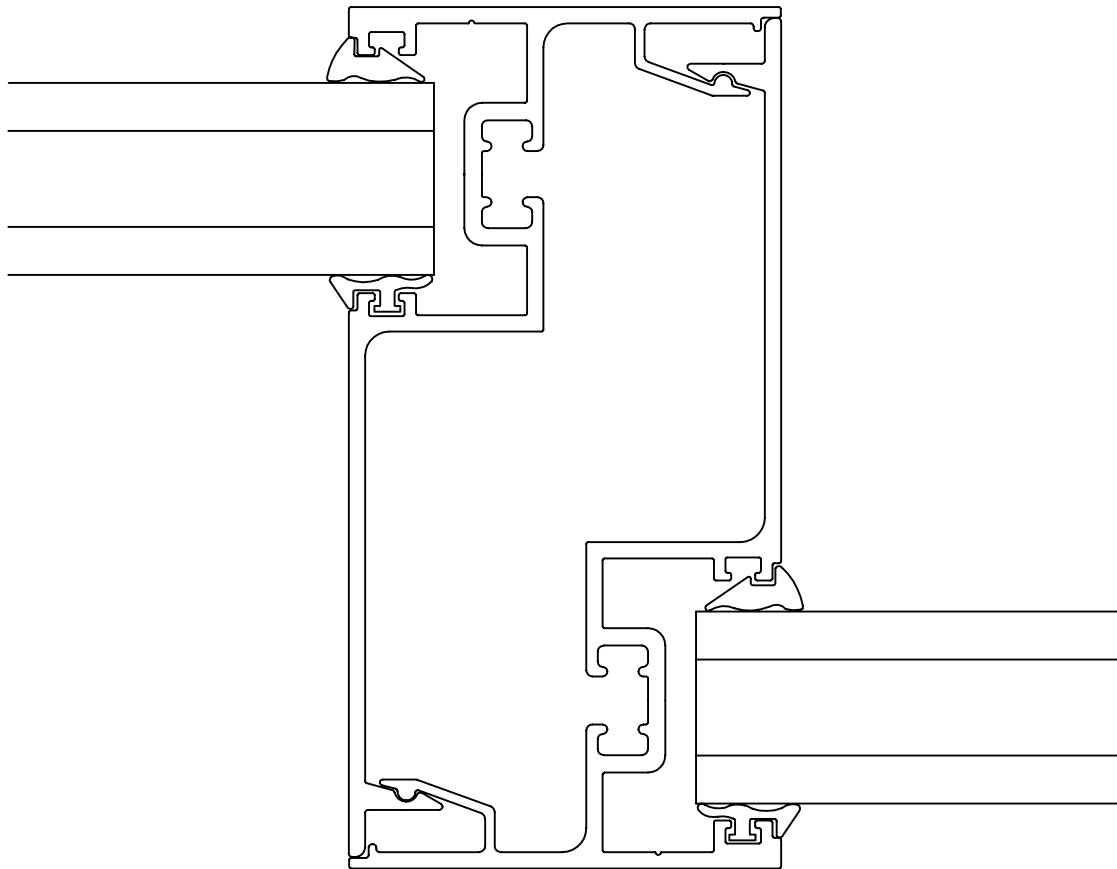
1


2



MARLIN  2 1/4" x 4 1/2" FRONT/BACK GLAZING SYSTEM 55

3



MARLIN  2 1/4" x 4 1/2" FRONT/BACK GLAZING SYSTEM 55

